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SEALING MECHANISM FOR VOLUME TYPE COMPRESSOR

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ABSTRACT

PURPOSE: To reduce the machining manpower and the assembling manpower, by integrating an annular retainer contactable against a sealing member at a bearing section of a rotary shaft in a volume type compressor with a backup ring.

CONSTITUTION: A **sealing** member 9 provided at a **bearing** section 8 of a rotary **shaft** 4 has a **lip** portion 11 slidable liquid-tightly against the outer circumference of the rotary **shaft** 4. In order to maintain the position of said **sealing** member 9, an annular retainer 13 contactable against the **sealing** member 9 is formed integrally with a backup ring 14 which contacts against the **lip** portion 11 and prevents falling off of the **lip** portion 11 from an annular coil spring 12 when said **lip** portion 11 is deformed by the pressure fed from an air-tight chamber R. Since the retainer and the backup ring are not required to be constructed with independent members nor a negative pressure hole for preventing application of pressure from the air-tight chamber onto the **lip** portion is required to be made through housing, part machining manpower and assembling manpower can be reduced remarkably.

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